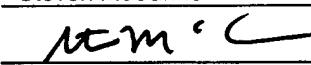
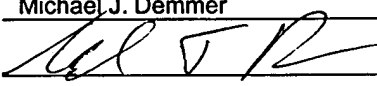


**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION
USING AN APPLICATION DATA SHEET (37 CFR 1.76)**

Title of Invention	CONTENT-BASED SEGMENTATION SCHEME FOR DATA COMPRESSION IN STORAGE AND TRANSMISSION INCLUDING HIERARCHICAL SEGMENT REPRESENTATION		
As the below named inventor(s), I/we declare that:			
This declaration is directed to:			
<input type="checkbox"/> The attached application, or			
<input checked="" type="checkbox"/> Application No. 10/285,330, filed on October 30, 2002,			
<input type="checkbox"/> as amended on _____ (if applicable);			
I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought;			
I/we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above;			
I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT International filing date of the continuation-in-part application.			
All statements made herein of my/our own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.			
FULL NAME OF INVENTOR(S)			
Inventor 1	<u>Steven McCanne</u>	Date:	<u>1/6/03</u>
Signature:	<u></u>	Citizen of:	<u>United States</u>
Inventor 2	<u>Michael J. Demmer</u>	Date:	<u>1/6/03</u>
Signature:	<u></u>	Citizen of:	<u>United States</u>
Inventor 3	_____	Date:	_____
Signature:	_____	Citizen of:	_____
Inventor 4	_____	Date:	_____
Signature:	_____	Citizen of:	_____

☐ Additional inventors are being named on form(s) attached hereto.

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Atty Docket No. 021647-000200US

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2. Executed Assignment of Patent Application

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Fax: 415-576-0300

Form PTO-1595 (Rev. 10-02) OMB No. 0651-0027 (exp. 5/31/2002)		Recordation Form Cover Sheet PATENTS ONLY		U.S. Department of Commerce U.S. Patent and Trademark Office	
Tab settings >>>▽▽▽▽▽▽▽▽					
To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof					
1. Name of conveying party(ies): McCanne, Steven Additional name(s) of conveying party(ies) attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No.			2. Name and address of receiving party(ies) Name: <u>NBT Technology, Inc.</u> Internal Address: _____ Street Address: <u>139 Townsend Street, 3rd Floor</u> City: <u>San Francisco</u> State: <u>CA</u> ZIP: <u>94107</u> Additional name(s) and address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: _____			4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: _____ A. Patent Application No(s): <u>10/285,330</u> B. Patent No(s): _____ Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Philip H. Albert</u> <u>TOWNSEND AND TOWNSEND AND CREW LLP</u> <u>Two Embarcadero Center, 8th Floor</u> <u>San Francisco, California 94111-3834</u> <u>(415) 576-0200</u>			6. Total number of applications and patents involved <u>1</u> 7. Total fee (37 CFR 3.41): _____ <u>\$40.00</u> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account		
8. Deposit account number: <u>20-1430</u> (Attach duplicate copy of this page if paying by deposit account)			9. Statement and signature. <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i>		
<u>Philip H. Albert</u> Name of Person Signing Atty. Reg. No. 35,819			<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <u>11/29/03</u> Date </div> </div>		

1. Additional name(s) of conveying party(ies):
(Continued from Page 1)

Demmer, Michael J.

2. Additional name(s) and address(es) of receiving party(ies):
(Continued from Page 1)

3. Additional application number(s) or patent number(s):
(Continued from Page 1)

A. Patent Application No.(s)

B. Patent No.(s)

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Steven McCanne of 54 El Camino Real, Berkeley, CA 94705; Michael J. Demmer of 300 Buchanan Street, #501, San Francisco, CA 94102 hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: CONTENT-BASED SEGMENTATION SCHEME FOR
DATA COMPRESSION IN STORAGE AND
TRANSMISSION INCLUDING HIERARCHICAL
SEGMENT REPRESENTATION

Date(s) of execution of Declaration:

Filing Date: October 30, 2002

Application No.: 10/285,330; and

WHEREAS, NBT Technology, Inc., a Delaware corporation, located at 139 Townsend Street, 3rd Floor, San Francisco, CA, 94107, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8th Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 1/6/03

Steven McCanne
Steven McCanne

STATE OF)
COUNTY OF) ss.

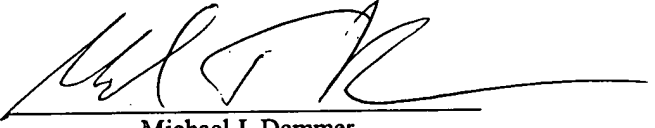
On _____, before me, _____,
personally appeared Steven McCanne, personally known to me (or proved to me on the basis of
satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me
that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the
person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

NOTARY PUBLIC

My Commission Expires: _____

Dated: 1/6/03



Michael J. Demmer

STATE OF California)
)
COUNTY OF) ss.

On _____, before me, _____,
personally appeared Michael J. Demmer, personally known to me (or proved to me on the
basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and
acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on
the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

NOTARY PUBLIC

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3	Document 1, Batch 230735

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TWO EMBARCADERO CENTER, 8TH FLOOR
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RECORDATION DATE: 01/30/2003

REEL/FRAME: 013395/0454

NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

MCCANNE, STEVEN

DOC DATE: 01/06/2003

ASSIGNOR:

DEMMER, MICHAEL J.

DOC DATE: 01/06/2003

ASSIGNEE:

NBT TECHNOLOGY, INC.
139 TOWNSEND STREET, 3RD FLOOR
SAN FRANCISCO, CALIFORNIA 94107

SERIAL NUMBER: 10285330

FILING DATE: 10/30/2002

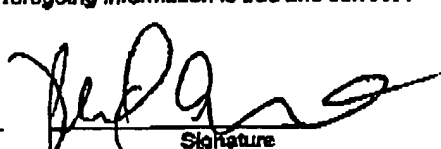
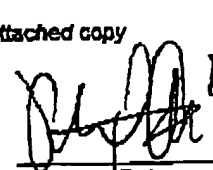
PATENT NUMBER:

ISSUE DATE:

ANTIONE ROYALL, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

01/30/2003
700023448

Attorney Docket No. 021647-000200US

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To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.					
1. Name of conveying party(ies): McCanne, Steven Additional name(s) of conveying party(ies) attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		2. Name and address of receiving party(ies) Name: <u>NBT Technology, Inc.</u> Internal Address: _____ Street Address: <u>139 Townsend Street, 3rd Floor</u> City: <u>San Francisco</u> State: <u>CA</u> ZIP: <u>94107</u> Additional name(s) and address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: _____		Execution Date: <u>January 6, 2003</u>			
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: _____ A. Patent Application No(s): <u>10/285,330</u> B. Patent No(s): _____ Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Philip H. Albert</u> <u>TOWNSEND AND TOWNSEND AND CREW LLP</u> <u>Two Embarcadero Center, 8th Floor</u> <u>San Francisco, California 94111-3834</u> <u>(415) 576-0200</u>		6. Total number of applications and patents involved <u>1</u> 7. Total fee (37 CFR 3.41): <u>\$40.00</u> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: <u>20-1430</u> (Attach duplicate copy of this page if paying by deposit account)			
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<u>Philip H. Albert</u> Name of Person Signing Atty. Reg. No. 35,819		 Signature		 Date <u>1/29/03</u>	
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1. Additional name(s) of conveying party(ies):
(Continued from Page 1)

Demmer, Michael J.

2. Additional name(s) and address(es) of receiving party(ies):
(Continued from Page 1)

3. Additional application number(s) or patent number(s):
(Continued from Page 1)

A. Patent Application No.(s)

B. Patent No.(s)

2/1/03/1